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WESTCOAST TRANSMISSION COMPANY LIMITED

AVAILABLE ESTIMATED NATURAL GAS RESERVES

PEACE RIVER AREA, BRITISH COLUMBIA AND ALBERTA

September 1, 1957

WESTCOAST TRANSMISSION COMPANY LIMITED

700 PACIFIC BUILDING

CALGARY, ALBERTA

September 1, 1957

Mr. Frank M. McMahon,
President,
Westcoast Transmission Company Limited,
Calgary, Alberta, Canada.

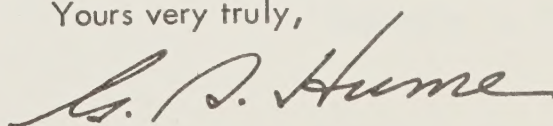
Dear Sir:

I submit herewith a report on the total available proved natural gas reserves in the Peace River Area of British Columbia and Alberta, as prepared by my department.


It is estimated that the total proved in place gas reserve for the Area is 5,220,387 million cubic feet. The recoverable pipeline reserve in the Area after allowing for recovery and shrinkage is estimated at 3,888,807 million cubic feet.

Of this total available proved pipeline reserve, Westcoast Transmission Company Limited controls 70.4 percent or 2,739,461 million cubic feet.

Yours very truly,

A handwritten signature in dark ink, appearing to read "G. S. Hume", written in a cursive style.

G. S. Hume.



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WESTCOAST TRANSMISSION COMPANY LIMITED

AVAILABLE ESTIMATED NATURAL GAS RESERVES

PEACE RIVER AREA, BRITISH COLUMBIA AND ALBERTA

September 1, 1957

AVAILABLE ESTIMATED GAS RESERVESPEACE RIVER AREA - BRITISH COLUMBIA

As of September 1, 1957.

Volumes at 14.73 psia and 60° F.

<u>Fields Discovered Prior to October 1, 1954.</u>	MMcf		
	<u>Original Gas In Place</u>	<u>Original Recoverable Wet Gas</u>	<u>Original Recoverable Pipeline Gas</u>
Airport	66,176	55,485	48,668
Blueberry Mountain	393,965	334,871	306,245
Charlie Lake	51,332	41,568	35,718
Fort St. John	658,206	550,014	480,635
Fort St. John, Southeast	232,855	195,537	173,462
Gundy Creek	44,134	37,514	33,198
Kiskatinaw	50,675	43,074	39,766
Montney	18,779	15,962	12,569
Nig Creek	176,700	150,195	133,674
N. F. A. Buick Creek	39,846	32,891	31,073
Red Creek	82,440	70,074	55,074
Sunrise	77,853	58,390	57,222
West Buick Creek	190,196	161,667	142,507
 TOTAL - BRITISH COLUMBIA	 2,083,157	 1,747,242	 1,549,811
 Discoveries: 10-1-54 to 9-1-57	 849,836	 714,198	 657,402
 GRAND TOTAL BRITISH COLUMBIA	 2,932,993	 2,461,440	 2,207,213

AVAILABLE ESTIMATED GAS RESERVESPEACE RIVER AREA - ALBERTA

As of September 1, 1957.

Volumes at 14.73 psia and 60° F.

Fields Discovered Prior To October 1, 1954.	MMcf		
	Original Gas In Place	Original Recoverable Wet Gas	Original Recoverable Pipeline Gas
Belloy	95,910	81,396	79,211
Braeburn	111,366	94,662	90,059
Dixonville	38,594	32,805	32,149
Dunvegan	52,315	44,014	43,134
Dunvegan, Northeast	8,234	5,352	5,245
Eaglesham	10,552	8,712	8,538
Gordondale	189,627	157,264	154,119
Harmon Valley	8,813	7,050	6,909
Heart River	8,912	6,558	6,427
Little Smoky	5,100	4,335	4,248
Little Smoky - Gulf	25,362	21,559	20,911
Normandville	6,870	5,496	5,386
Philcan	6,384	5,426	5,317
Pouce Coupe	263,554	222,112	217,670
Pouce Coupe, South	330,907	273,693	266,548
Saddle Hills	63,726	53,123	50,036
Sturgeon Lake	416,230	276,421	205,322*
Tangent	309,840	216,887	206,042
Valleyview	1,931	1,544	1,513
Whitelaw	234,366	199,210	192,932
TOTAL - ALBERTA	2,188,593	1,717,619	1,601,716
Discoveries 10-1-54 to 9-1-57	98,801	83,104	79,878
GRAND TOTAL - ALBERTA	2,287,394	1,800,723	1,681,594

* Corrected for cumulative production.

AVAILABLE ESTIMATED GAS RESERVES

PEACE RIVER AREA - BRITISH COLUMBIA

From Discoveries During Period 10-1-54 to 9-1-57

Volumes at 14.73 psia and 60° F.

	Location	Productive Horizon	MMcf		
			Original Gas In Place	Original Recoverable Wet Gas	Original Recoverable Pipeline Gas
BOUNDARY LAKE	Twp.86-14w6M	Upper Gething	1,904	1,618	1,497
		Middle Gething	11,307	9,611	8,890
		Lower Gething	3,187	2,709	2,519
		Cadomin	18,734	15,924	14,570
		Triassic "D"	9,602	8,162	7,019
		Gething	16,000	13,600	13,328
		Triassic "D"	2,135	1,815	1,688
			9,500	8,075	6,864
	Texaco N.F.A.#2	Sec.21-87-15w6M.			
	Texaco N.F.A.#3	Sec.10-14-111w6M.			
HALFWAY RIVER	Twp.87-25w6M.	Cadomin	5,211	3,908	3,673
		Triassic "B"	12,179	10,352	9,162
		Triassic "D"	14,404	12,243	10,835
KILKERRAN, Imp.Pacific #12-31	Sec.31-78-14w6M.	Permo-Penn	27,488	23,365	21,262
KOBES CREEK - TOWNSEND	56° 30'N 122° W	Cadomin	54,364	40,773	37,511
		Triassic Stray	19,162	16,288	15,024
		Triassic "D"	147,866	125,686	115,631
		Mississippian	43,573	37,037	33,704
LOMA, Sinclair B2-3	Sec.18-84-20w6M.	Triassic "A"	5,120	4,352	3,917
PARKLAND, Imp. Pacific #6-29	Sec.29-81-15w6M.	Permo-Penn	16,725	14,216	13,150
		Devonian	117,800	100,130	94,122
STODDART	Twp.86-20w6M.	Permo-Penn	43,582	37,045	34,081
PADDY, Imperial H.B. Union #1	57° 47'N 120° 12'W	Devonian	13,437	11,421	11,078
MILLIGAN, H.B. B.A. #1	57° 3'N 120° 22'W	Gething	18,000	15,300	14,994
CAMERON RIVER, Texaco N.F.A.#1	Sec.12-89-4w7M.	Triassic	75,517	64,189	57,128
DOIG RIVER, Imp. Calvin #4-27	Sec.27-88-17w6M.	Gething	8,000	6,800	6,664

AVAILABLE ESTIMATED GAS RESERVES

PEACE RIVER AREA - BRITISH COLUMBIA

From Discoveries During Period 10-1-54 to 9-1-57

Volumes at 14.73 psia and 60° F.

	Location	Productive Horizon	MMcf		
			Original Gas In Place	Original Recoverable Wet Gas	Original Recoverable Pipeline Gas
BUICK CREEK, Texaco N. F. A. #6 Texaco N. F. A. #10	Sec.14-20-111w6M.	Nikanassin	16,764	14,249	12,967
	Sec.31-88-18w6M.	Nikanassin	11,813	10,041	9,137
		Upper Triassic	11,256	9,568	8,611
PRESPATOU CREEK, Richfield #1	57° 2'N 121° 6'W	Bluesky	5,252	4,464	4,241
SNYDER CREEK, Union #1	56° 56'N 121° 20'W	Nikanassin	3,290	2,797	2,657
ALASKA HIGHWAY	56° 55'N 122°W	Nikanassin	3,630	2,723	2,478
		Triassic	15,177	12,900	11,481
		Mississippian	35,092	28,074	26,249
BIG ARROW, Richfield Decalta #1	57° 8'N 120° 45'W	Bluesky	1,620	1,377	1,349
		Bullhead	3,905	3,319	3,087
		Triassic "D"	1,740	1,392	1,253
BOUGIE CREEK, Gulf States #1	57° 57'N 122° 36'W	Mississippian	45,500	38,675	35,581
TOTAL - BRITISH COLUMBIA			849,836	714,198	657,402

AVAILABLE ESTIMATED GAS RESERVESPEACE RIVER AREA - ALBERTA

From Discoveries During Period 10-1-54 to 9-1-57

Volumes at 14.73 psia and 60° F.

	Location	Productive Horizon	MMcf		
			Original Gas In Place	Original Recoverable Wet Gas	Original Recoverable Pipeline Gas
BURNT RIVER, Gulf #1-25	Sec.25-76-10w6M.	Cadotte	7,875	6,300	6,174
SADDLE HILLS, Colorado #6-21	Sec.21-76-8w6M.	Paddy	2,196	1,867	1,830
B.A.#11-23	Sec.23-76-9w6M.	Cadotte	2,000	1,600	1,568
		Cadotte	6,510	5,534	5,423
BUFFALO LAKE, Sinclair Banff #1	Sec.26-74-8w6M.	Permo-Penn	7,200	6,120	5,814
SEXSMITH, Sinclair Banff #1	Sec.20-74-6w6M.	Dunvegan	5,625	4,500	4,410
CAMPBELL CREEK, Anglo, et al #1	Sec.35-68-7-w6M.	Falher	23,790	20,222	18,755
GIROUX, Stanolind #1	Sec.20-65-20w5M.	Cardium	2,048	1,638	1,605
EAST EAGLESHAM, H.B.Union #1	Sec.35-78-25w5M.	Gething	1,981	1,684	1,650
WEST PRAIRIE, Imperial #11-18	Sec.18-72-17w5M.	Cadotte	9,112	7,745	7,590
		Bluesky	4,284	3,641	3,514
NORMANDVILLE, Colorado #15-25	Sec.25-80-23w5M.	Triassic	10,340	8,789	8,350
TOTAL - ALBERTA			98,801	83,104	79,878

SUMMARY OF TOTAL AVAILABLE ESTIMATED GAS SUPPLYPEACE RIVER AREA - BRITISH COLUMBIA AND ALBERTA

As of September 1, 1957.

Volumes at 14.73 psia and 60° F.

	MMcf		
	<u>Original Gas In Place</u>	<u>Original Recoverable Wet Gas</u>	<u>Original Recoverable Pipeline Gas</u>
Contracted in Alberta to Westcoast Transmission Company (Alberta) Ltd.	1,068,015	905,246	880,594
Contracted in British Columbia to Westcoast Transmission Company Limited.	2,481,301	2,078,567	1,858,867
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TOTAL COMMITTED RESERVE	3,549,316	2,983,813	2,739,461
<u>Additional Area Reserve</u>			
Alberta	1,219,379	895,477	801,000
British Columbia	451,692	382,873	348,346
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TOTAL ADDITIONAL	1,671,071	1,278,350	1,149,346
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TOTAL AVAILABLE	5,220,387	4,262,163	3,888,807

